

Abstract

The present invention provides a semiconductor integrated circuit device and a non-contact type IC card and a portable information terminal which uses the semiconductor integrated circuit device. The semiconductor integrated circuit device includes antenna terminals LA, LB which are connected to an antenna L1, a power source circuit B5 which has a rectifier/smoothing circuit B1 which obtains a DC voltage by rectifying and smoothing an AC signal which is supplied to the antenna terminal from the antenna and a shunt regulator B6 and a series regulator B7 which stabilize the DC voltage, and an internal circuit B8 which is operated upon the supply of the DC voltage from the power source circuit. The series regulator operates and the shunt regulator stops in a stage that a signal is transmitted to a reader/writer. The shunt regulator operates and the series regulator stops in a stage other than the stage that the signal is transmitted to the reader/writer.